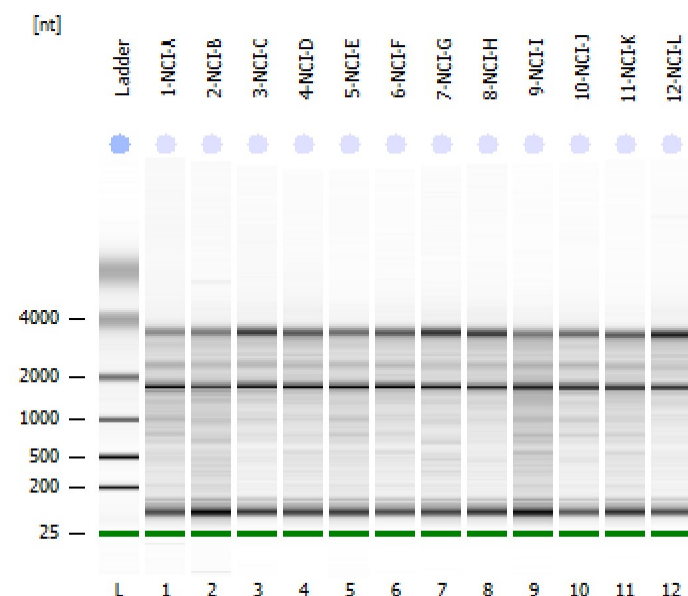


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-16_14-23-24.xad

Created: 16/05/2023 14:23:23
Modified: 16/05/2023 14:47:15

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE54700884
Serial#: DE54700884

Firmware: C.01.069
Type: G2939A

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

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Chip Information:

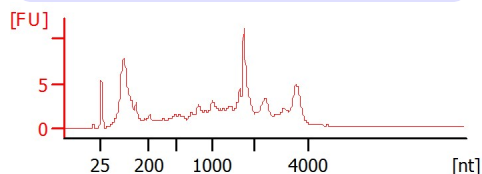
Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

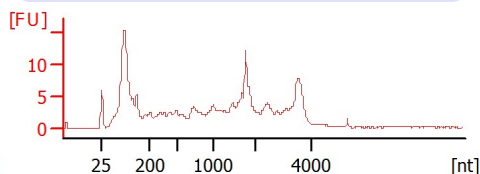
1-NCI-A

RIN: 6.20



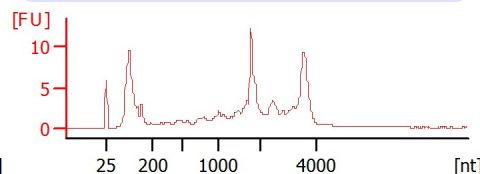
2-NCI-B

RIN: 5.90



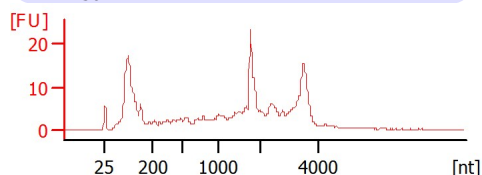
3-NCI-C

RIN: 7.40



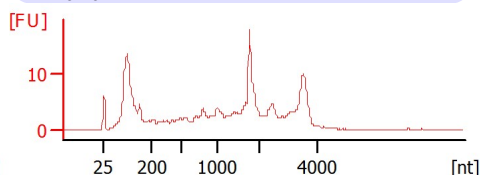
4-NCI-D

RIN: 7.30



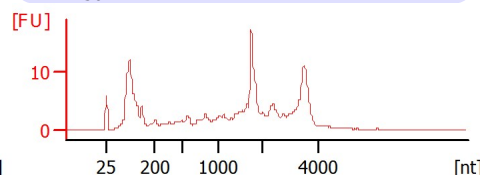
5-NCI-E

RIN: 6.70



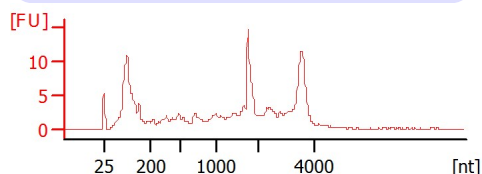
6-NCI-F

RIN: 7.30



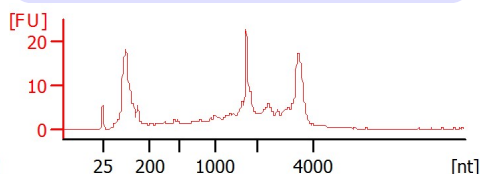
7-NCI-G

RIN: 7



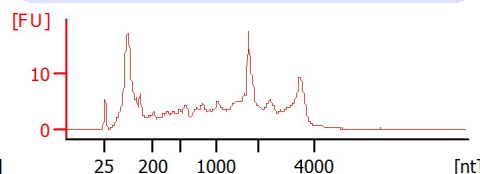
8-NCI-H

RIN: 7.10



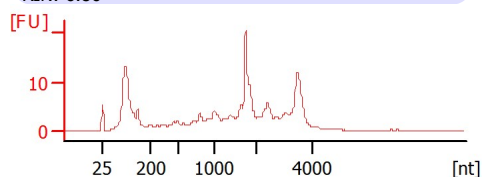
9-NCI-I

RIN: 6.30



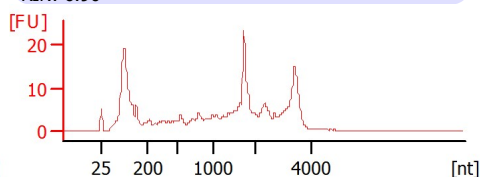
10-NCI-J

RIN: 6.80



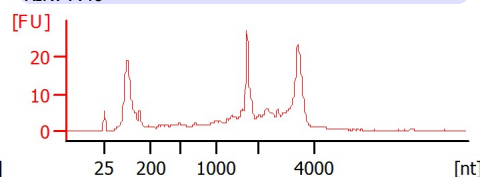
11-NCI-K

RIN: 6.90



12-NCI-L

RIN: 7.40



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-16_14-23-24.xad

Created: 16/05/2023 14:23:23
Modified: 16/05/2023 14:47:15

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1-NCI-A		✓	RIN: 6.20	
2-NCI-B		✓	RIN: 5.90	
3-NCI-C		✓	RIN: 7.40	
4-NCI-D		✓	RIN: 7.30	
5-NCI-E		✓	RIN: 6.70	
6-NCI-F		✓	RIN: 7.30	
7-NCI-G		✓	RIN: 7	
8-NCI-H		✓	RIN: 7.10	
9-NCI-I		✓	RIN: 6.30	
10-NCI-J		✓	RIN: 6.80	
11-NCI-K		✓	RIN: 6.90	
12-NCI-L		✓	RIN: 7.40	
Ladder		✓	All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-16_14-23-24.xad

Created: 16/05/2023 14:23:23
Modified: 16/05/2023 14:47:15

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
Ladder Concentration [ng/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
Integration End Time [s] : 69
Slope Threshold : .6
Height Threshold [FU] : .5
Area Threshold : .2
Width Threshold [s] : .5
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : .5
Polynomial Order : 4

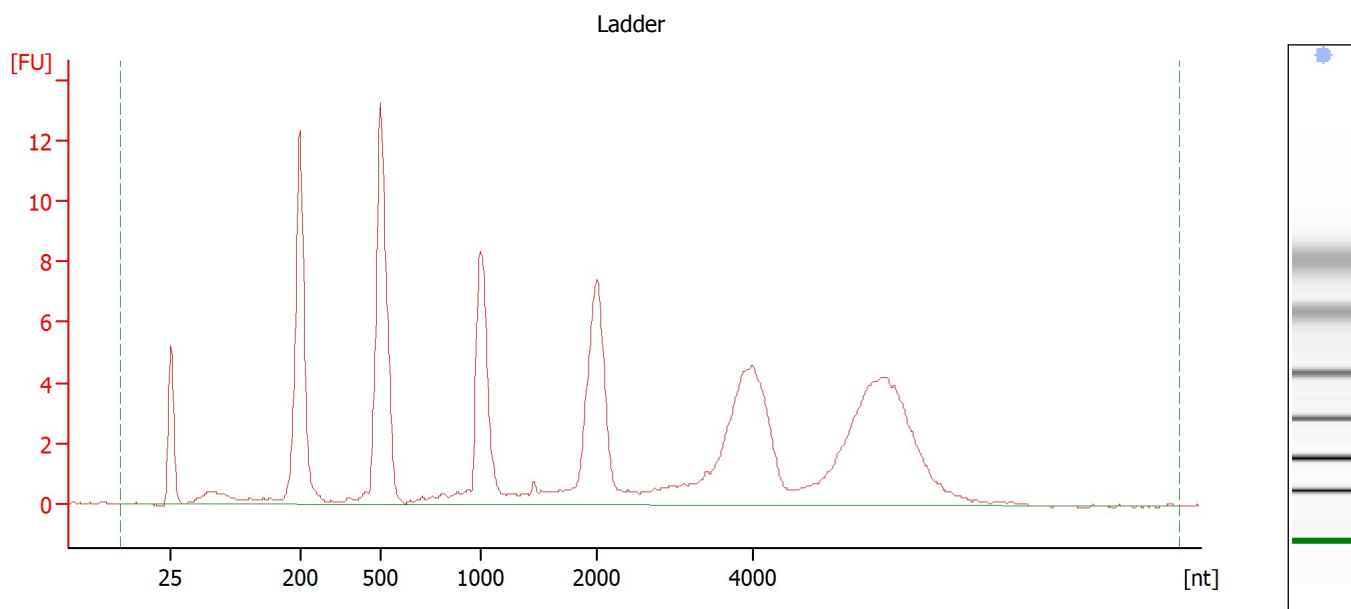
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-16_14-23-24.xad

Created: 16/05/2023 14:23:23
Modified: 16/05/2023 14:47:15

Electropherogram Summary



Overall Results for Ladder

RNA Area: 140.1

Result Flagging Color:



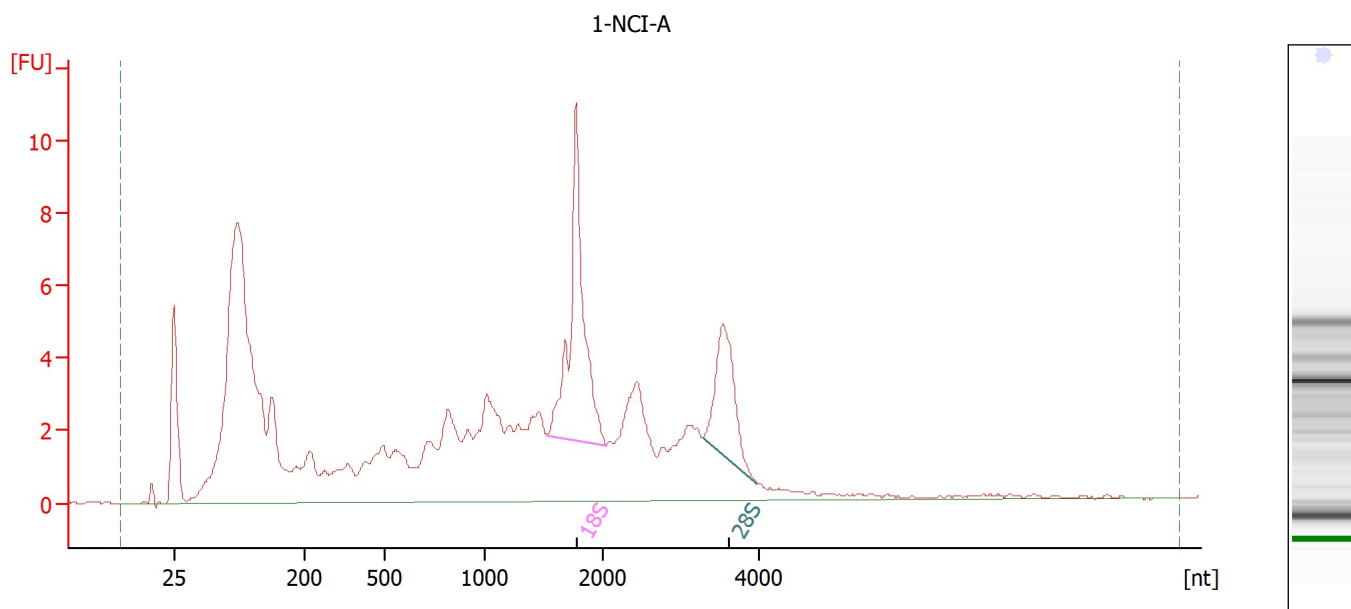
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-16_14-23-24.xad

Created: 16/05/2023 14:23:23
Modified: 16/05/2023 14:47:15

Electropherogram Summary Continued ...**Overall Results for sample 1 : 1-NCI-A**

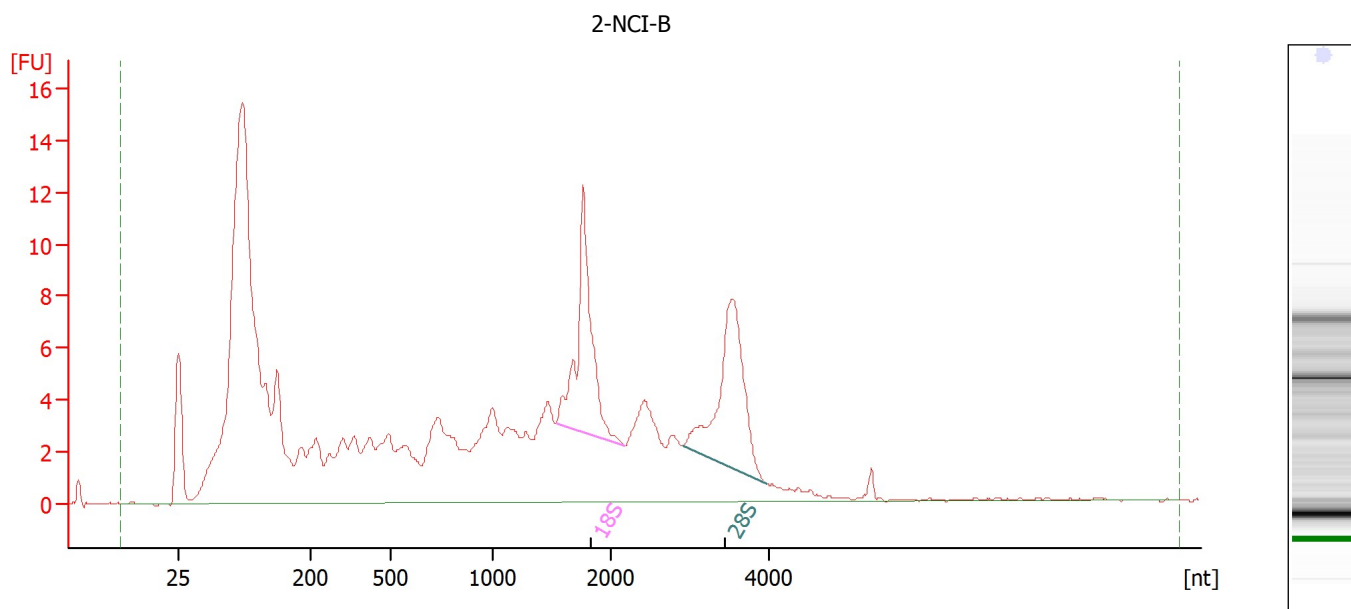
RNA Area:	170.1	RNA Integrity Number (RIN):	6.2 (B.02.08)
RNA Concentration:	182 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28S / 18S]:	0.5	Result Flagging Label:	RIN: 6.20

Fragment table for sample 1 : 1-NCI-A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,523	2,030	16.0	9.4
28S	3,263	3,976	7.8	4.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-16_14-23-24.xad

Created: 16/05/2023 14:23:23
Modified: 16/05/2023 14:47:15

Electropherogram Summary Continued ...**Overall Results for sample 2 : 2-NCI-B**

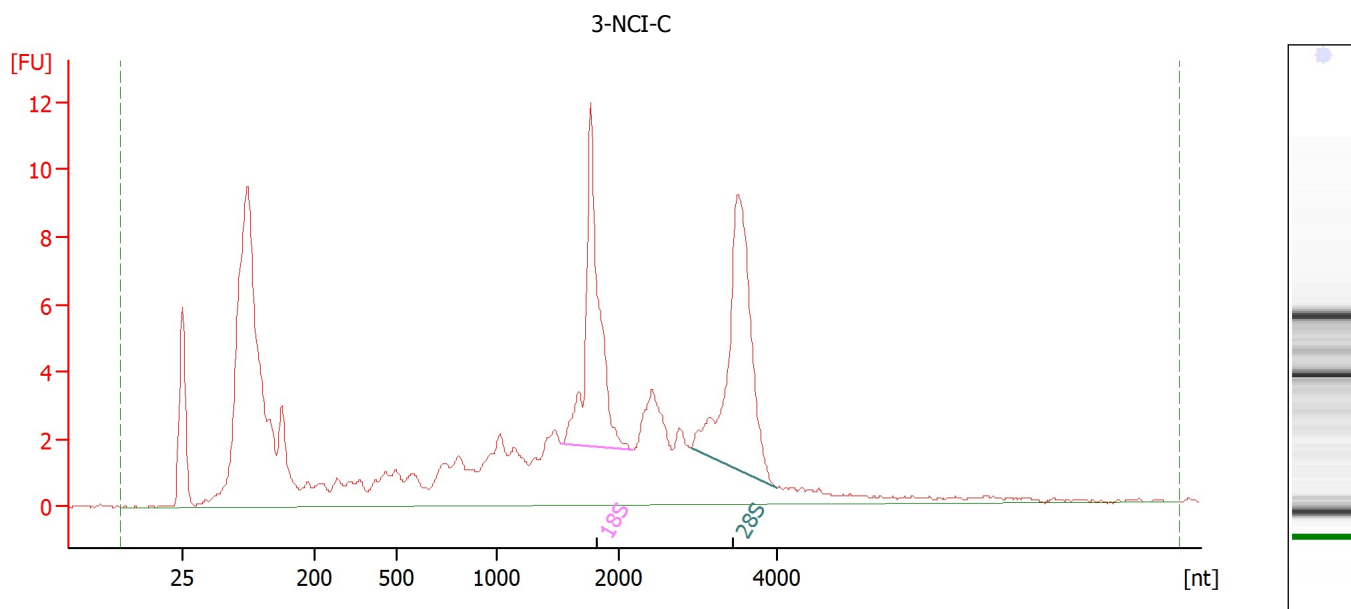
RNA Area:	268.1	RNA Integrity Number (RIN):	5.9 (B.02.08)
RNA Concentration:	287 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 5.90

Fragment table for sample 2 : 2-NCI-B

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,531	2,157	17.3	6.5
28S	2,904	3,963	18.5	6.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-16_14-23-24.xad

Created: 16/05/2023 14:23:23
Modified: 16/05/2023 14:47:15

Electropherogram Summary Continued ...**Overall Results for sample 3 : 3-NCI-C**

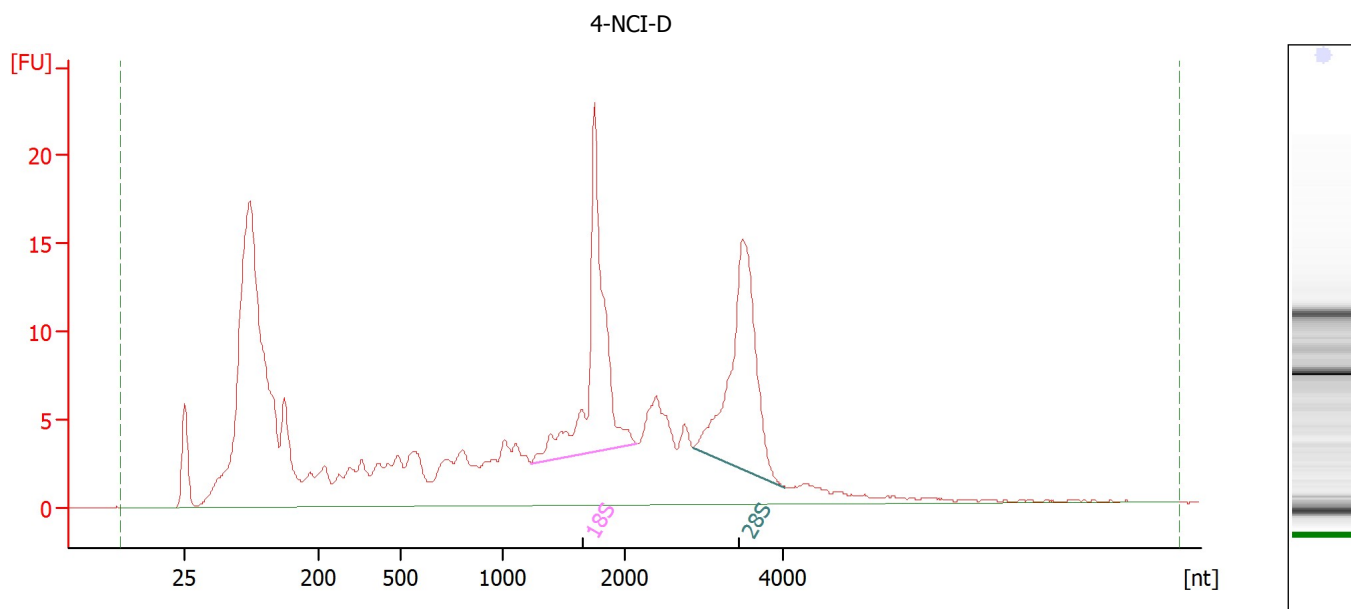
RNA Area:	168.7	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	181 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.40

Fragment table for sample 3 : 3-NCI-C

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,527	2,187	17.1	10.1
28S	2,915	3,993	21.3	12.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-16_14-23-24.xad

Created: 16/05/2023 14:23:23
Modified: 16/05/2023 14:47:15

Electropherogram Summary Continued ...**Overall Results for sample 4 : 4-NCI-D**

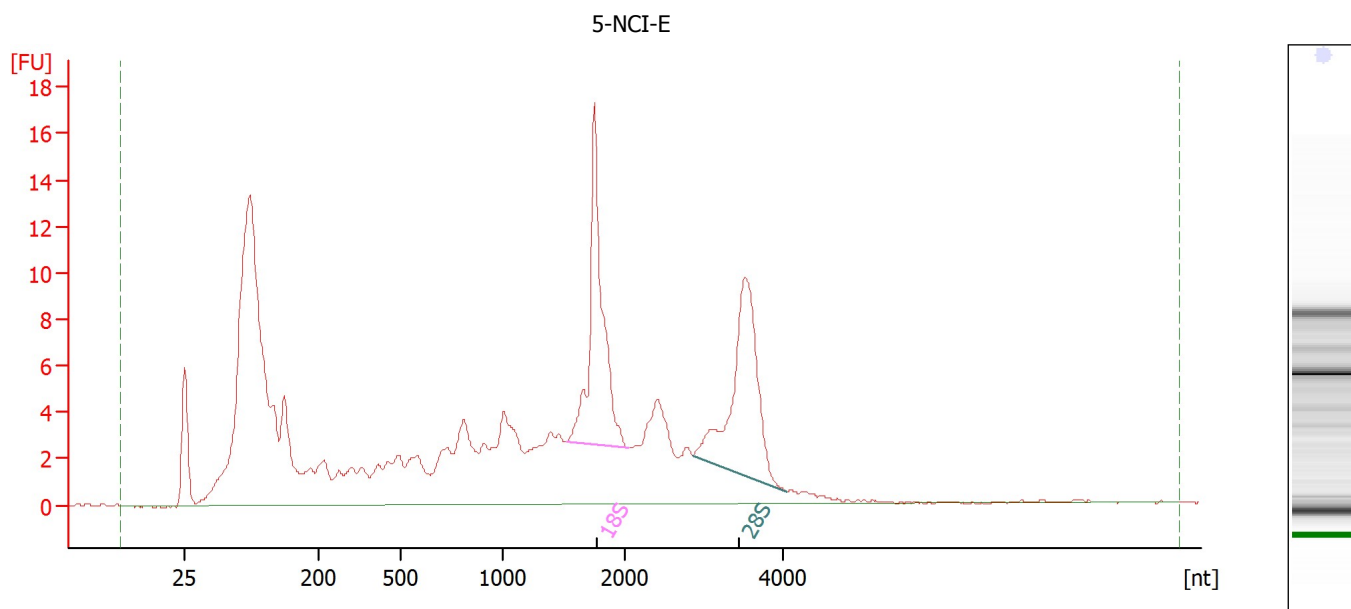
RNA Area:	344.3	RNA Integrity Number (RIN):	7.3 (B.02.08)
RNA Concentration:	369 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28S / 18S]:	1.0	Result Flagging Label:	RIN: 7.30

Fragment table for sample 4 : 4-NCI-D

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,233	2,149	37.7	11.0
28S	2,872	4,024	36.4	10.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-16_14-23-24.xad

Created: 16/05/2023 14:23:23
Modified: 16/05/2023 14:47:15

Electropherogram Summary Continued ...**Overall Results for sample 5 : 5-NCI-E**

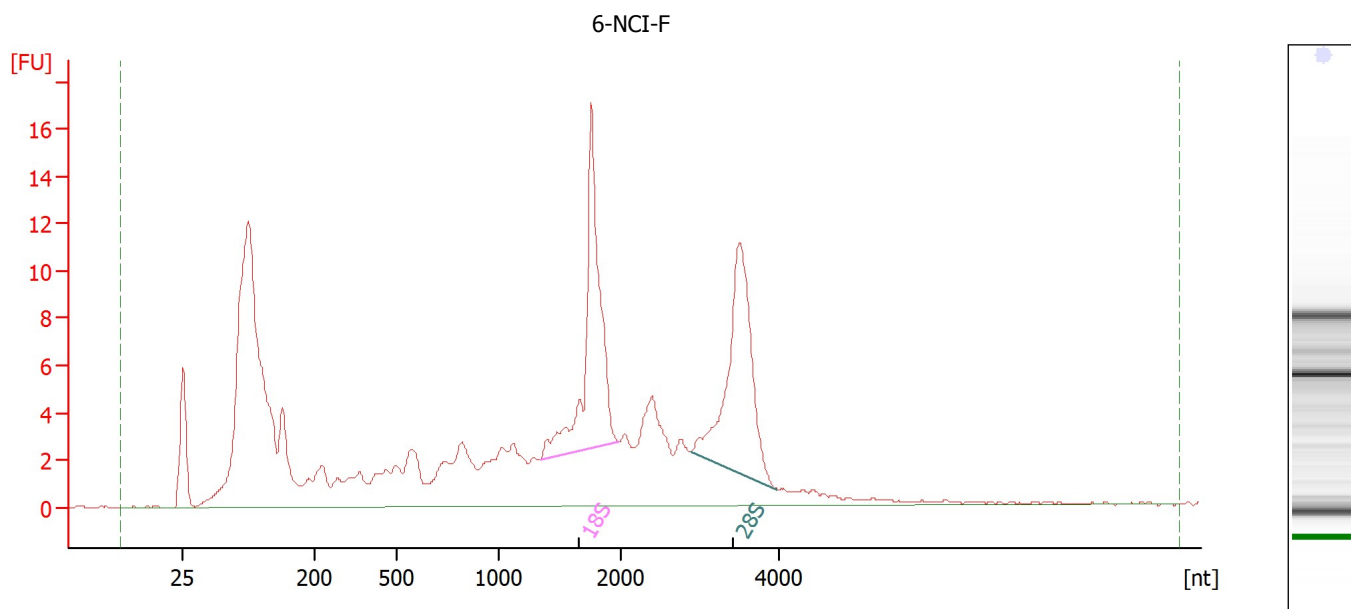
RNA Area:	255.7	RNA Integrity Number (RIN):	6.7 (B.02.08)
RNA Concentration:	274 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 6.70

Fragment table for sample 5 : 5-NCI-E

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,524	2,068	23.5	9.2
28S	2,872	4,051	23.6	9.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-16_14-23-24.xad

Created: 16/05/2023 14:23:23
Modified: 16/05/2023 14:47:15

Electropherogram Summary Continued ...**Overall Results for sample 6 : 6-NCI-F**

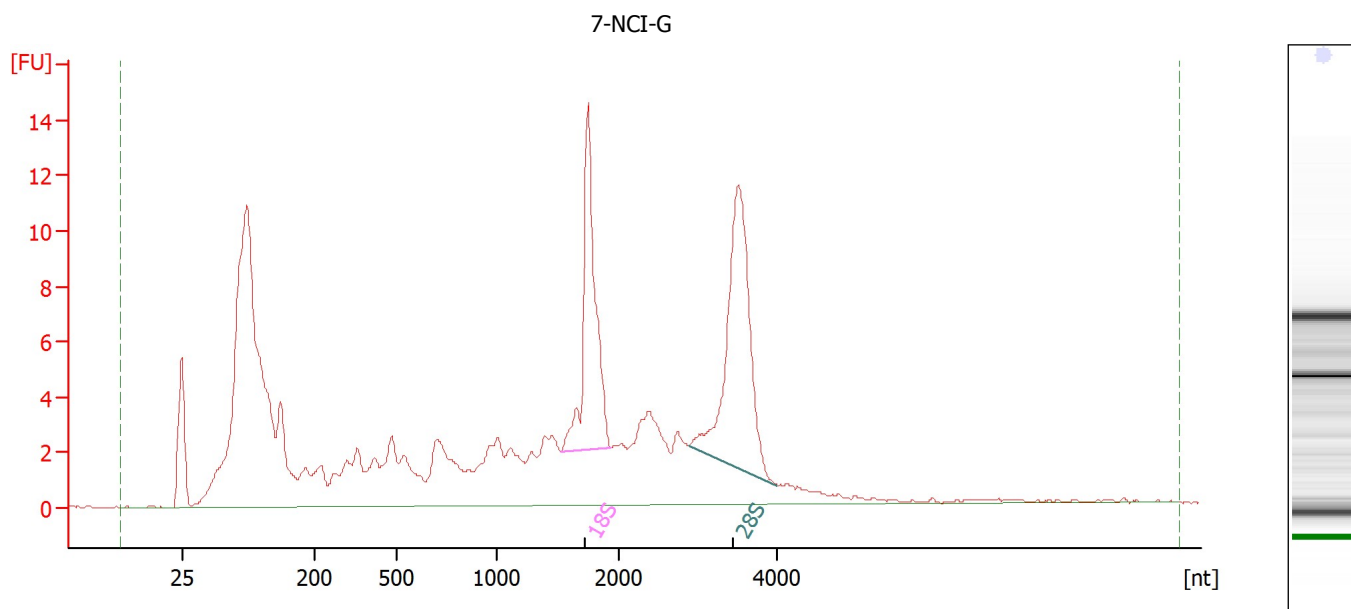
RNA Area:	239.5	RNA Integrity Number (RIN):	7.3 (B.02.08)
RNA Concentration:	256 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28S / 18S]:	1.0	Result Flagging Label:	RIN: 7.30

Fragment table for sample 6 : 6-NCI-F

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,334	1,990	26.5	11.1
28S	2,887	3,977	26.1	10.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-16_14-23-24.xad

Created: 16/05/2023 14:23:23
Modified: 16/05/2023 14:47:15

Electropherogram Summary Continued ...**Overall Results for sample 7 : 7-NCI-G**

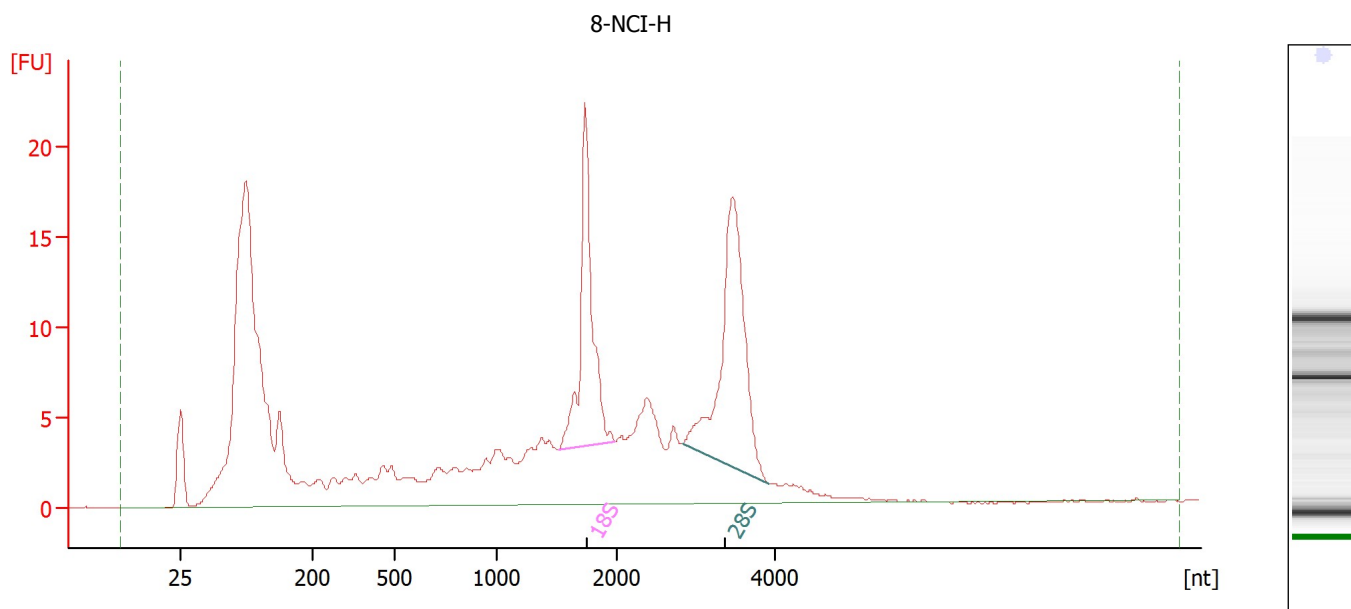
RNA Area:	220.5	RNA Integrity Number (RIN):	7 (B.02.08)
RNA Concentration:	236 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN:7

Fragment table for sample 7 : 7-NCI-G

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,527	1,945	18.5	8.4
28S	2,888	4,007	25.9	11.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...\Eukaryote Total RNA Nano_DE54700884_2023-05-16_14-23-24.xad

Created: 16/05/2023 14:23:23
Modified: 16/05/2023 14:47:15

Electropherogram Summary Continued ...**Overall Results for sample 8 : 8-NCI-H**

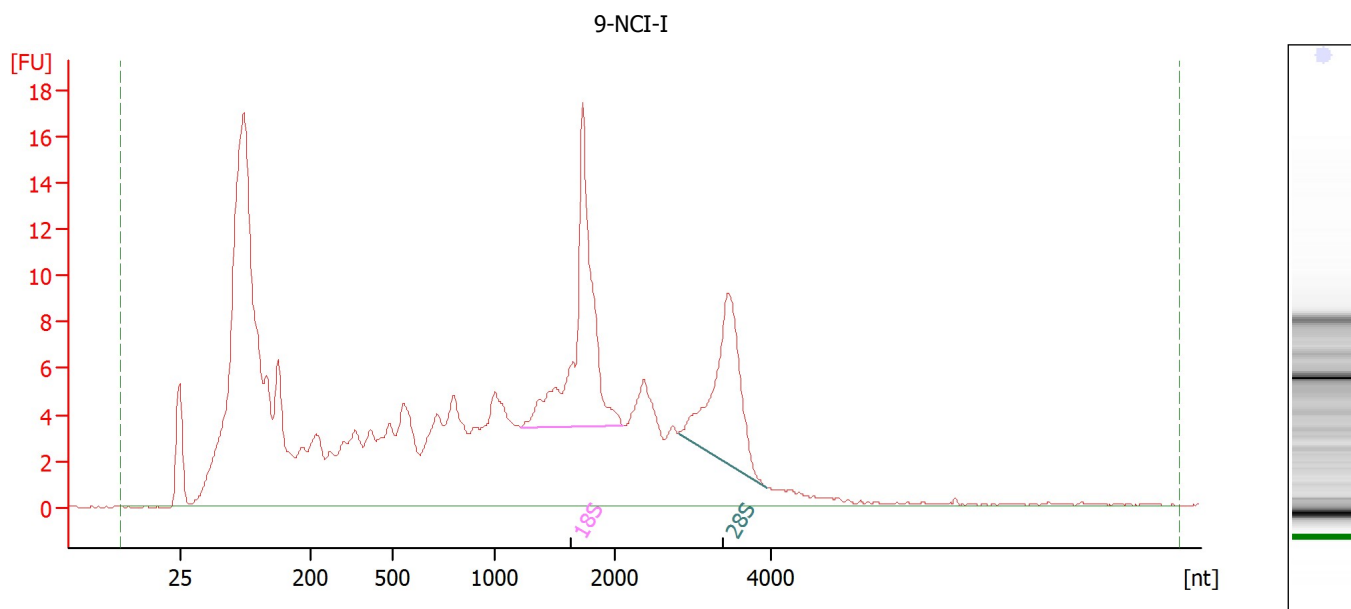
RNA Area:	318.3	RNA Integrity Number (RIN):	7.1 (B.02.08)
RNA Concentration:	341 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 7.10

Fragment table for sample 8 : 8-NCI-H

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,525	1,998	27.6	8.7
28S	2,834	3,943	39.6	12.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...\Eukaryote Total RNA Nano_DE54700884_2023-05-16_14-23-24.xad

Created: 16/05/2023 14:23:23
Modified: 16/05/2023 14:47:15

Electropherogram Summary Continued ...**Overall Results for sample 9 : 9-NCI-I**

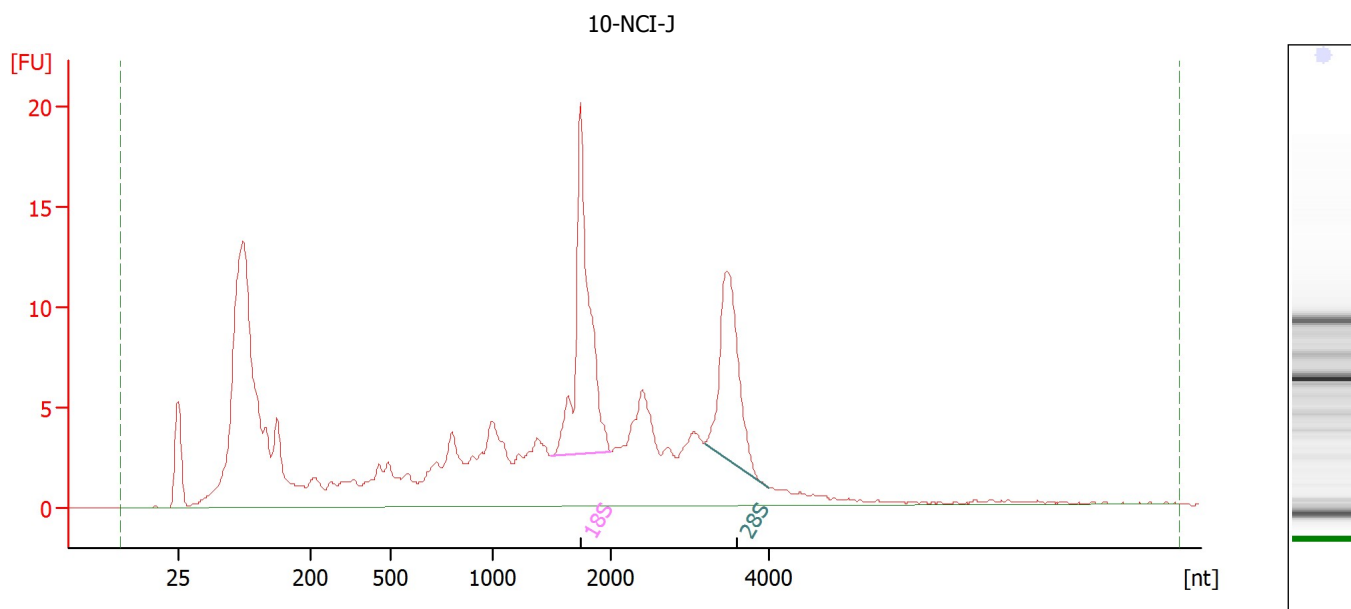
RNA Area:	351.8	RNA Integrity Number (RIN):	6.3 (B.02.08)
RNA Concentration:	377 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 6.30

Fragment table for sample 9 : 9-NCI-I

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,229	2,117	30.6	8.7
28S	2,822	3,932	21.8	6.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-16_14-23-24.xad

Created: 16/05/2023 14:23:23
Modified: 16/05/2023 14:47:15

Electropherogram Summary Continued ...**Overall Results for sample 10 : 10-NCI-J**

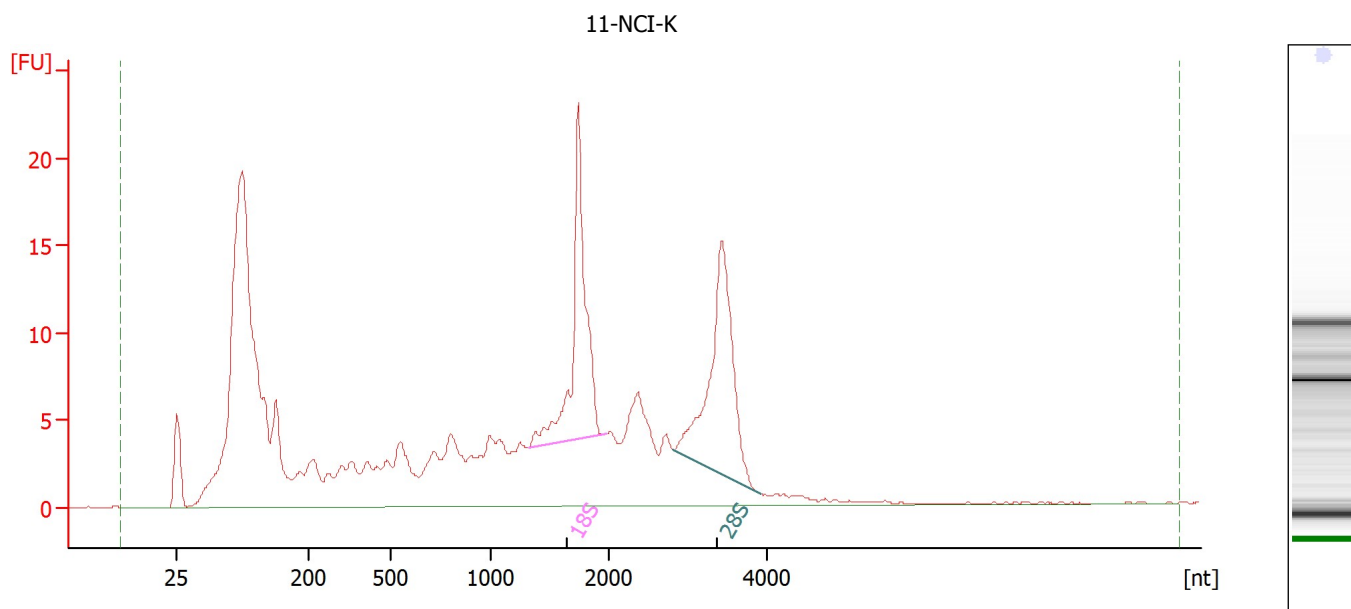
RNA Area:	266.1	RNA Integrity Number (RIN):	6.8 (B.02.08)
RNA Concentration:	285 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 6.80

Fragment table for sample 10 : 10-NCI-J

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,486	1,987	30.2	11.3
28S	3,175	3,990	20.0	7.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-16_14-23-24.xad

Created: 16/05/2023 14:23:23
Modified: 16/05/2023 14:47:15

Electropherogram Summary Continued ...**Overall Results for sample 11 : 11-NCI-K**

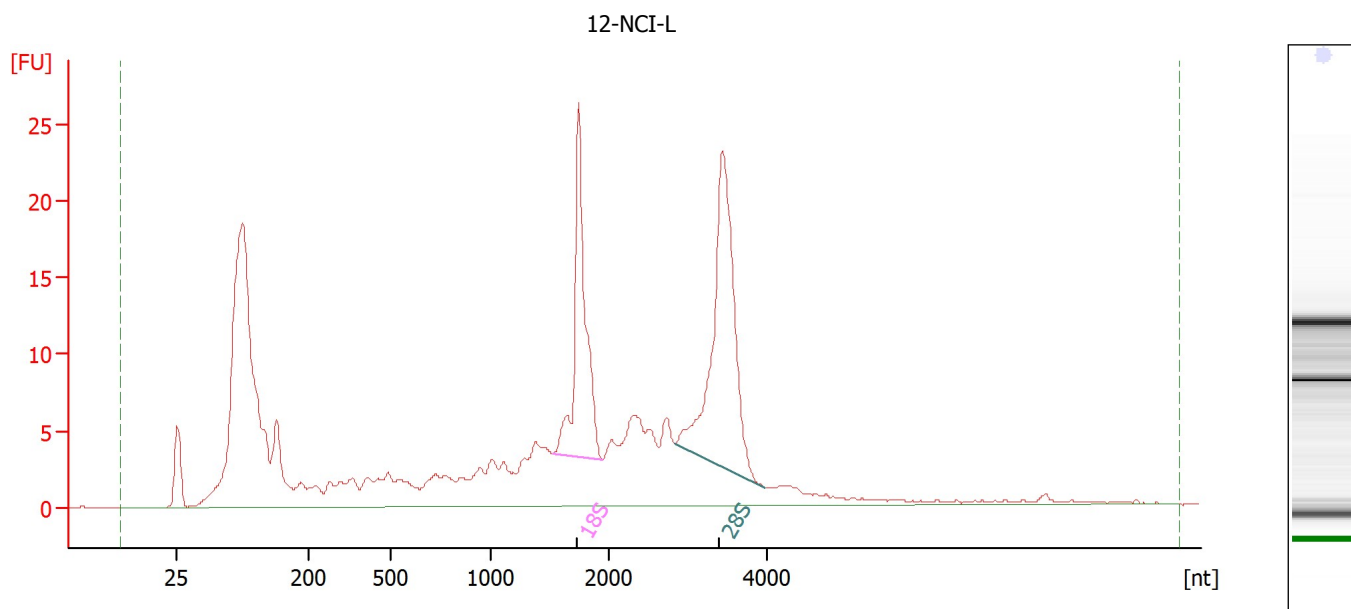
RNA Area:	349.1	RNA Integrity Number (RIN):	6.9 (B.02.08)
RNA Concentration:	374 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 6.90

Fragment table for sample 11 : 11-NCI-K

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,314	1,968	31.7	9.1
28S	2,809	3,925	34.7	9.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-16_14-23-24.xad

Created: 16/05/2023 14:23:23
Modified: 16/05/2023 14:47:15

Electropherogram Summary Continued ...**Overall Results for sample 12 : 12-NCI-L**

RNA Area:	339.5	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	363 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 7.40

Fragment table for sample 12 : 12-NCI-L

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,520	1,941	32.2	9.5
28S	2,837	3,980	49.7	14.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-16_14-23-24.xad

Created: 16/05/2023 14:23:23
Modified: 16/05/2023 14:47:15

Gel Image